Contents

315 Abstracts of papers presented at the tenth meeting of the Scandinavian Association of Geneticists

193 Andersson, H. C.: G_2 repair and the formation of chromosomal aberrations. III. The effect of hydroxyurea, 5-fluorodeoxyuridine and caffeine on X-ray-induced chromosome damage in *Vicia faba*

33 Árnason, Ú., Purdom, J. F. and Jones, K. W.: Cetacean molecular hybridization using balenopterid satellite DNA cRNAs as probes

47 Árnason, Ú.: Southern blot hybridization in cetaceans using killer whale restriction fragment as a probe

221 Autio, K. and Schröder, J.: Chromosome break points in clonal and non-clonal chromosome changes in human chronic lymphocytic leukemia

1 Beckman, L. and Nordström, S.: Occupational and environmental risks in and around a smelter in northern Sweden. IX. Fetal mortality among wives of smelter workers

17 Chakraborty, R., Haag, M., Ryman, N. and Ståhl, G.: Hierarchical gene diversity analysis and its application to brown trout population data

211 Christensen, K. and Pedersen, H.: Variation in chromosome number in the blue fox (*Alopex lagopus*) and its effect on fertility

247 Dävring, L. and Sunner, M.: A lampbrush phase in oocytes of *Drosophila* and its bearing upon mutagen sensitivity data

179 Egel-Mitani, M., Olson, L. W. and Egel, R.: Meiosis in *Aspergillus nidulans*: Another example for lacking synaptonemal complexes in the absence of crossover interference

139 Ekman, G. and Gustafsson, Å.: Synthetic variability and genotype fitness

73 Eriksson, B. and Laane, M. M.: Examinations of nuclear behaviour during sexual cycle in the diplontic oomycete *Phytophthora palmivora* (Butl.) Butl.

51 Hansson, K., Palitti, F., Kihlman, B. A. and Karlsson, M.-B.: Potentiation of X-ray and streptonigrin-induced chromosomal aberrations in human lymphocytes by post-treatments with hydroxyurea and caffeine

163 Häkkinen, I. and Koponen, S.: Two marginal populations of *Cepaea hortensis*: morph frequency, shell size, and predation

237 Hedner, K., Högstedt, B., Kolnig, A.-M., Mark-Vendel, E., Strömbeck, B. and Mitelman, F.: Relationship between sister chromatid exchanges and structural chromsome aberration in lymphocytes of 100 individuals

311 Heneen, W. K.: The centromeric region in the scanning electron microscope

29 Hong, De-Yuan: A new karyotype for *Narcissus tazetta* L.

227 Hong, De-Yuan: Cytotype variation and polyploidy in *Scilla autumnalis* L. (Liliaceae)

157 Iselius, L. and Grimby, L.: A family with Charcot-Marie-Tooth's disease, showing a probable X-linked incompletely dominant inheritance

301 Jansson, T.: The frequency of sister chromatid exchanges in human lymphocytes treated with ethanol and acetaldehyde

9 Jelnes, J. E.: Enzyme analyses on seven laboratory stocks and two natural populations of *Heliosoma duryi*. Electrophoretic patterns of eight enzymes with genetic information on four polymorphic enzymes

59 Kahn, A. and Sick, K.: Gene conversion in the *shibire*^{ts} locus of *Drosophila melanogaster*

217 Köpf, I., Swolin, B. and Weinfeld, A.: Cytogenetic studies on primary thrombocythaemia

307 Kvelland, I.: Benomyl—An investigation of its mutagenic effect in bacteriophage T4D

95 Lauritzen, M.: Q- and G-band identification of two chromosomal rearrangements in peach-potato aphids, *Myzus persicae* (Sulzer), resistant to insecticides
155 Łukaszewicz, R., Sibińska, E. and Kędziora, J.: Down's syndrome: decreased radiation sensitivity of lymphocytes' DNA
115 Lundgren, L., Norelius, G. and Stenhagen, S.: Prospects of a holistic approach to the biochemistry of pest and disease resistance in crop plants
167 Luomajoki, A.: Temperature and dates of male meiosis in trees
289 Mäkinen, A. and Gustavsson, I.: A comparative chromosome-banding study in the silver fox, the blue fox, and their hybrids
123 Martinsson, T., Tenning, P., Lund, L. and Levan, G.: Methotrexate resistance and double minutes in a cell line from the SEWA mouse ascites tumor
299 Müller, D.: Wilhelm Johannsen, Heine and Goethe
273 Nacheva, E., Fischer, P., Haas, O., Manolova, Y., Manolov, G. and Levan, A.: Acute myelogenous leukemia in a child with primary involvement of chromosomes 11 and X
37 Pamilo, P.: Multiple mating in *Formica* ants
305 Rimaila-Pärnänen, E. Recessive mode of inheritance in progressive ataxia and inco-ordination in Yorkshire pigs
87 Simonsen, V., Allendorf, F. W., Eanes, W. F. and Kapel, F. O.: Electrophoretic variation in large mammals. III. The ringed seal, *Pusa hispida*, the harp seal, *Pagophilus groenlandicus*, and the hooded seal, *Cystophora cristata*
91 Simonsen, V., Born, E. W. and Kristensen, T.: Electrophoretic variation in large mammals. IV. The Atlantic walrus, *Odobenus rosmarus rosmarus* (L.)
159 Sorsa, M., Kolmodin-Hedman, B. and Järventaus, H.: No effect of sulphur dioxide exposure, in aluminium industry, on chromosomal aberrations or sister chromatid exchanges
103 Sorsa, V.: Volume of chromatin fibers in interbands and bands of polytene chromosomes
65 Vang Nielsen, K., Rønne, M. and Jakobsen, A.: A unique case of cervical carcinoma. Comparison of chromosome analysis and flow cytometric measurements
189 Vuorinen, J.: Little genetic variation in the Finnish Lake salmon, *Salmo salar sebago* (Girard)
261 Yazdani, R., Rudin, D., Aldén, T. and Lindgren, D.: Inheritance pattern of five monoterpenes in Scots pine (*Pinus sylvestris* L.)
23 Zhang, S., Wu, Y., Zeng, Y., Zech, L. and Klein, G.: Cytogenetic studies on an epitheliod cell line derived from nasopharyngeal carcinoma